UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
POLLUTION REPORT

I. HEADING

DATE: August 14, 2000

SUBJECT: Toledo Heat Treating Site, Toledo, Lucas County, Ohio

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POLREP 2 - Initial (Emergency Response)

II. BACKGROUND

FPN:	G00032
NPL Status:	Non-NPL
Response Authority	OPA
State Notification:	OEPA
Start Date:	August 2, 2000
Completion Date:	TBD
Latitude/Longitude:	41°39' 32" N/83°32' 23" W

III. SITE INFORMATION

A. Incident Category:

OPA Emergency Response

B. Site Description:

1. Site Location and Background

The Toledo Heat Treating (THT) site is located on 12th Street in Toledo, Lucas County, Ohio. The site consists of two inactive buildings ("north" and "south") located on opposite sides of an alleyway in a mixed commercial/light industrial area. The City sewers located in the alleyway discharge into the Maumee River, approximately 1 mile from the site. The THT site is the former location of Industrial Heat Treating, which is no longer in operation. The north and south buildings were utilized for oil processing while Industrial Heat Treating was still in operation. Two large vats containing oil were located in the basement of the north building. The south building contains equipment previously used for heat-treating. A large quantity of oil associated with this heat treating equipment remained in overflow pits and associated reservoirs.

On August 1, 2000, Toledo experienced heavy rainfall of approximately 7 inches in 2 hours. The roof of the south building was structurally compromised during this rain event The excessive rainfall caused flooding at the THT site and created a migration pathway for the oil remaining in the north and south buildings. The oil migrated from the buildings into the alleyway and sewer system, and potentially into the Maumee River. The United States Coast Guard (USCG) was notified of a sheen encompassing approximately 2 ½ miles of the Maumee River, and potentially linked that sheen to the THT site. On August 1, 2000, at approximately 1500 hours, U.S. EPA was notified of the situation by the Ohio Environmental Protection Agency (OEPA). OEPA and the City of Toledo requested clean-up assistance from the U.S. EPA. U.S. EPA mobilized the ERRS and START contractors on August 2, 2000.

2. Description of Threat

An unknown quantity of oil was released from vats and pits located in two buildings at the THT site into the city of Toledo's sewer system, and potentially into the Maumee River.

3. Previous Response Activities

None.

IV. RESPONSE INFORMATION

A. Situation

1. Current situation

An emergency response was initiated on August 2, 2000, at the THT site. U.S. EPA On-Scene Coordinator (OSC) Karla Auker, START, and the Emergency and Rapid Response Services (ERRS)

contractor, Ferguson Harbour, Inc. (FHI) responded to the site.

2. Removal Activities to Date

On August 2, 2000, U.S. EPA, ERRS, and START met representatives from the City of Toledo and the USCG's Toledo Marine Safety Office (MSO) on-site to conduct reconnaissance. The City of Toledo had already hired a contractor to pump out sewers at the THT site. ERRS secured the buildings by plugging all interior located drains, and sealing all doorways with oil dry and sorbent boom. ERRS also contacted roofing contractors to assess potential roof repair for the south building. Multiple roofing contractors stated that the roof was damaged beyond repair. START collected 7 oil samples from the north and south buildings, along with 3 soil samples from the alleyway, to be analyzed for polychlorinated biphenyls (PCBs). In addition, START collected two suspect samples from the south building to be analyzed for asbestos. All samples were sent to CT&E located in Ludington, Michigan. START conducted air monitoring (hydrogen cyanide, radiation, and explosive atmosphere monitoring) during site activities, with no readings above background detected. All personnel demobilized from the site to await analytical results.

On August 3, 2000, U.S. EPA was notified that a second release to the Maumee River had occurred due to a second heavy rain-storm (4 inches). U.S. EPA immediately mobilized ERRS and START to the THT site. ERRS mobilized a vac-truck and a 20,000 gallon storage tank and began to pump out the sewers in the alleyway to prevent any further migration of oil. OSC Robert Buckley oversaw response activities at the site.

On August 4, 2000, ERRS completed pumping out the sewers and began removal activities in the north building. Oil and oily sludges were removed from two vats and the floor of the basement in the north building. ERRS mobilized a second vac-truck and a second 20,000 gallon tank to be utilized for the oil waste removed from the south building. ERRS pumped residual oil and wastewater from the floor of south building. In addition, oil and wastewater was removed from a large overflow pit on the north side of the south building. OSC Michelle Jaster replaced OSC Buckley on-site at approximately 1400 hours.

On August 5, 2000, ERRS completed removing the oily sludges from the north building and the oil from floor and overflow pit in the south building. ERRS also changed out the sorbent boom previously placed in the sewers by the City of Toledo. Verbal analytical results from the oil samples collected by START on August 2, 2000 were received. These results documented that no PCBs were detected in any samples (detection limit of 1 part per million, or ppm). With the site secured in the event of another heavy rain storm, all personnel demobilized from the THT site. ERRS provided 24-hour security and storm watch activities over the weekend.

On August 10, 2000, ERRS removed the remaining sludge and the 3-4 inches of water (which had accumulated in the basement of the "north" building.) ERRS also removed the sludge from one of the overflow pits and oil from two above-ground vats located in the "south" building, and oil from the above-ground storage tank (AST) located adjacent to the "south" building (along Southard Avenue.) To date, approximately 25,000 gallons of oil/water and 10 cubic yards of sludge/debris have been collected.

ERRS removed the "sand tubes" around the sewers located along the alley and replaced sorbent booms in each of the sewers. A sample (for disposal) of the oil was collected by ERRS and delivered to AAC Trinity Analytical (located in Toledo, Ohio) to be analyzed for flash point. Final analytical results from the samples collected by START on August 2 were received. Three of the four soil samples exhibited concentrations of PCBs above the method detection limit of 38 micrograms per kilograms (µg/kg) but below 1 ppm. Naphthalene and 2-methylnaphthalene at 5.1 and 9.7 mg/kg were identified in one sample collected from the floor of the south building; no asbestos was detected in the three samples submitted for analysis.

B. Next Steps

1) Coordinate transportation and disposal of oil/water mixture and sludge.
2) Dispose of generated waste at an appropriate facility.

C. Key Issues

None to report at this time.

V. COST INFORMATION

Disposal

Estimated disposal costs for the liquid are $6,250
Estimated disposal costs for the sludge/debris are $1,500
START and ERRS costs are not included in these estimates